

PRODUCT INFORMATION

|                              |   |
|------------------------------|---|
| Tag                          | C-Flag&Strep Tag  |
| Target                       | ADA1A   |
| Synonyms                     | ADRA1C, ADRA1L1, ALPHA1AAR  |
| Description                  | Human ADA1A-Strep full length protein-synthetic nanodisc  |
| Delivery                     | 6~8weeks  |
| Uniprot ID                   | P35348  |
| Expression Host              | HEK293  |
| Protein Families             | GPCR,Transmembrane,Druggable Genome,  |
| Protein Pathways             | Calcium regulation in cardiac cells,GPCRDB Class A Rhodopsin-like,Monoamine GPCRs,Apoptosis,Cancer,Cell Cycle,  |
| Molecular Weight             | The human full length ADA1A-Strep protein has a MW of 51.5 kDa  |
| Formulation & Reconstitution | Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.  |
| Storage & Shipping           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.   |
| Background                   | Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A, -1B and -1D, all of which signal through the Gq/11 family of G-proteins and different subtypes show different patterns of activation. This gene encodes alpha-1A-adrenergic receptor. Alternative splicing of this gene generates four transcript variants, which encode four different isoforms with distinct C-termini but having similar ligand binding properties. [provided by RefSeq, Jul 2008] |
| Usage                        | Research use only   |
| Conjugate                    | Unconjugated  |

